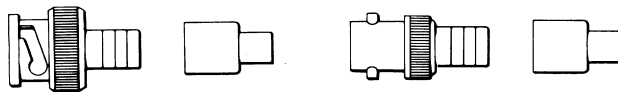




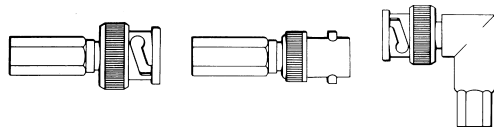
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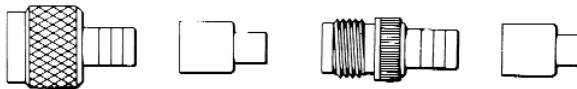
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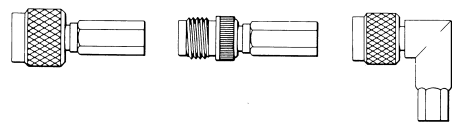
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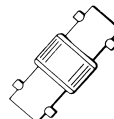
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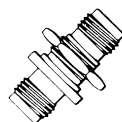
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Type CX TNC Adapters	K-6
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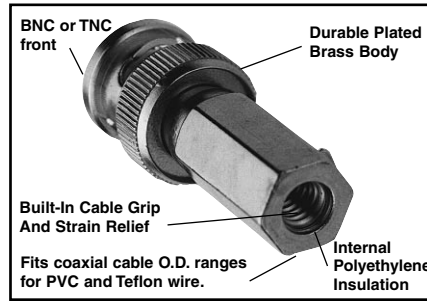
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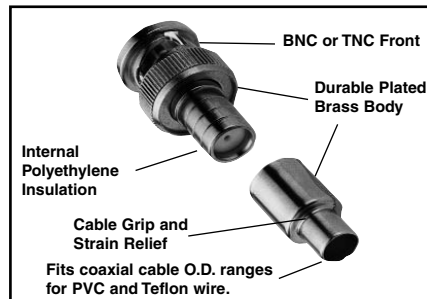
INTRODUCTION

COAXIAL BNC TNC CONNECTOR SYSTEMS

Burndy's BNC-TNC coaxial connectors feature the latest design technology in mechanical and compression styles. Both styles optimize fast, easy field installation. When using a mechanical connector, simply strip the conductor and screw on the connector. If compression connector is preferred, Burndy offers an easy to install two-piece design instead of the more cumbersome four-piece design commonly found in the marketplace. To install, simply strip the conductor and crimp the connector. In both cases, cable preparation and installation is forty seconds or less.



Designed to meet military performance requirements.



MECHANICAL - One Piece Design

- Installs in 20 seconds or less
- Factory installed "self-energizing" center contact
- Reusable
- Solderless
- No loose separate center contact or spacer bushing
- No crimping tools

COMPRESSION - Two Piece Design

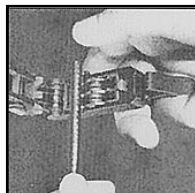
- Installs in 20 seconds or less
- Factory installed "self-energizing" center contact
- Permanently installed
- Solderless
- No loose separate center contact or spacer bushing
- Crimp ferrule for shielding, cable grip and strain relief

INSTALLATION

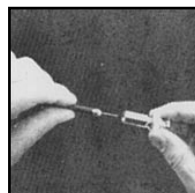
Whether installing mechanical or crimp style coaxial connectors, the 20/20 second assembly ends termination problems. Fast, easy and convenient installation method slashes conventional assembly times, reduces costly down time delays and lowers total installed costs. Detailed installation instructions are printed on individual connector packages.

MECHANICAL (SCREW ON)

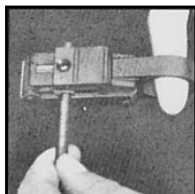
K-2



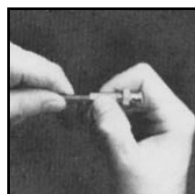
1. Open Stripper and insert cable.



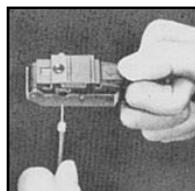
4. Insert cable into connector.



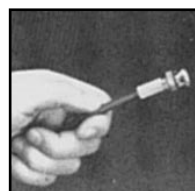
2. Close Stripper and spin.



5. Rotate or screw on until tight.



3. Pull Stripper off prepared cable.



6. Installation complete.

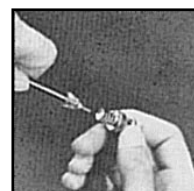
COMPRESSION



1. Insert cable into stripper and rotate for first cutting stage.



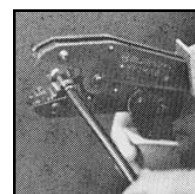
2. Reverse stripper end. Insert cable and rotate for 2nd cut. Remove stripper.



3. Insert cable into connector.



4. Push ferrule over braid on connector.



5. Crimp ferrule.



6. Installation complete.



ELECTRICAL CHARACTERISTICS

CONNECTOR

IMPEDANCE50 OHMS

WORKING

VOLTAGE500 V RMS
@ SEA LEVEL

CONTACT

RESISTANCEOUTER CONTACT
0.2 MILLIOHMS
INNER CONTACT
1.5 MILLIOHMS

INSULATION

RESISTANCE5000 MEGOHMS MIN.

WITHSTANDING

VOLTAGE1500 VOLTS,
RMS @ SEA LEVEL

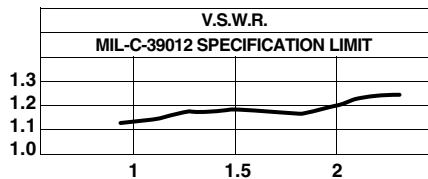
FREQUENCY

RANGEBNC = 0-4 GHz
TNC = 0-7 GHz

RG/u CABLE*	CABLE DIAMETERS
RG58/u	.195
RG59/u RG59A/u	.242
RG62/u RG62A/u	.242
TFE59/u	.206
TFE62/u TFE62A/u	.206-.212, .222-.242

* Solid conductor only.

Materials: Nickel Plated Brass



**Frequency (Ghz) Application
for 50 OHM Cable**

MILITARY SPECIFICATION EQUIVALENCY	
CONNECTORS	BULKHEAD CONNECTORS
UG88	UGG25
UGG-260	UG1094
M39012/16	M39012/21

**Internal Polyethylene Insulation
Center COnacts are Nickel/Gold
Plated**



TYPE TPC CXC

BNC CRIMP STYLE

Burndy's new line of compression coaxial connectors features a two-piece design. First is the body of the connector with its factory installed "self-energized" center contact. Second is the crimp sleeve (ferrule) which grips the conductor, grounds the braid and provides strain relief for the coaxial conductor. The two-piece construction means there are no small parts to lose and no separate center contact to be crimped or soldered.

To assemble, simply trim the cable, insert the conductor into the connector, position the ferrule over the braid on the connector and crimp in place. These features add up to reduced installation time and lower total installed costs.

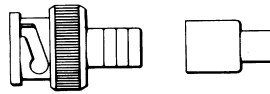


Fig. 1
Straight BNC Plug

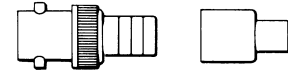


Fig. 2
Straight BNC Jack

Catalog Number	FIGURE NUMBER	DESCRIPTION	RG/u CABLE	JACKET MATERIAL	CABLE O.D. (JACKET)	SPECIAL USE	Y10MR RATCHET TOOL WITH DIES
CXC-BNC58-P	1	BNC PLUG	58	PVC	.195		CXDS-24
CXC-BNC59-P	1	BNC PLUG	59,62	PVC	.242		CXDS-134
CXC-BNC59-PT	1	BNC PLUG	59	TEFLON	.206-.212	PLENUM	CXDS-24
CXC-BNC59-P	1	BNC PLUG	62	TEFLON	.222-.242	PLENUM	CXDS-134
CXC-BNC58-J	2	BNC JACK	58	PVC	.195		CXDS-24
CXC-BNC59-J	2	BNC JACK	59,62	PVC	.242		CXDS-134
CXC-BNC59-JT	2	BNC JACK	59	TEFLON	.206-.212	PLENUM	CXDS-24
CXC-BNC59-J	2	BNC JACK	62	TEFLON	.222-.242	PLENUM	CXDS-134

TYPE CXM

BNC MECHANICAL (SCREW ON) CONNECTORS

The Burndy mechanical style connector for coaxial cable can be completely assembled in 40 seconds or less. The 20/20 connector requires less than 20 seconds to strip the conductor and 20 seconds or less to install the connector on the conductor. The connector's design has a factory installed "self-energized" center contact plus the threads grip the conductor, ground the braid and provide strain relief for the conductor. The pull-out value is rated at 40 pounds; the same as military specifications require for similarly sized connectors. Product features include: one-piece unit—no loose parts—fast, easy single step assembly—no contact soldering—no contact crimping—no installation tools required. Reusable. These features help eliminate costly down time in the field, lower total installed costs, and provide flexibility in wiring system installations.

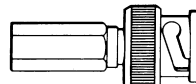


Fig. 1
Straight BNC Plug

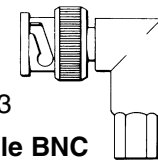


Fig. 3
Right Angle BNC Plug (90°)

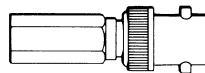


Fig. 2
Straight BNC Jack

CATALOG † NUMBER	FIGURE NUMBER	DESCRIPTION	RG/u CABLE*	JACKET MATERIAL	CABLE O.D. (JACKET)	SPECIAL USE
CXM-BNC58-P	1	BNC PLUG	58	PVC	.195	
CXM-BNC59-P	1	BNC PLUG	59,62	PVC	.242	
CXM-BNC59-PT	1	BNC PLUG	59	TEFLON	.206-.212	PLENUM
CXM-BNC59-P	1	BNC PLUG	62	TEFLON	.222-.242	PLENUM
CXM-BNC58-J	2	BNC JACK	58	PVC	.195	
CXM-BNC59-J	2	BNC JACK	59,62	PVC	.242	
CXM-BNC59-JT	2	BNC JACK	59	TEFLON	.206-.212	PLENUM
CXM-BNC59-J	2	BNC JACK	62	TEFLON	.222-.242	PLENUM
CXM-BNC58-P-90	3	BNC PLUG-90	58	PVC	.195	
CXM-BNC-59-P-90	3	BNC PLUG-90	59,62	PVC	.242	
CXM-BNC59-PT-90	3	BNC PLUG-90	59	TEFLON	.206-.212	PLENUM
CXM-BNC59-P-90	3	BNC PLUG-90	62	TEFLON	.222-.242	PLENUM

* RG58/u, RG59, 59A, 62 and 62A/u cable with solid conductor only.

† No installation tools or soldering required.



TYPE CXC

TNC CRIMP STYLE

Burndy's new line of compression coaxial connectors features a two-piece design. The first is the body of the connector with its factory installed "self-energized" center contact. Second is the crimp sleeve (ferrule) required to grip the conductor, ground the braid and provide strain relief for the coaxial conductor. The two-piece construction means there are no small parts to lose and no separate center contact to be crimped or soldered.

To assemble, simply trim the cable, insert the conductor into the connector, position the ferrule over the braid on the connector and crimp in place.

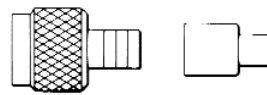


Fig. 1

Straight BNC Plug



Fig. 2

Straight TNC Jack

CATALOG NUMBER	FIGURE NUMBER	DESCRIPTION	RG/u CABLE	JACKET MATERIAL	CABLE O.D. (JACKET)	SPECIAL USE	Y10MR RATCHET TOOL WITH DIES
CXC-TNC-58-P	1	TNC PLUG	58	PVC	.195		CXDS-24
CXC-TNC-59-P	1	TNC PLUG	59,62	PVC	.242		CXDS-134
CXC-TNC-59-PT	1	TNC PLUG	59	TEFLON	.206-.212	PLENUM	CXDS-24
CXC-TNC-59-P	1	TNC PLUG	62	TEFLON	.222-.242	PLENUM	CXDS-134
CXC-TNC-58-J	2	TNC JACK	58	PVC	.195		CXDS-24
CXC-TNC-59-J	2	TNC JACK	59,62	PVC	.242		CXDS-134
CXC-TNC-59-JT	2	TNC JACK	59	TEFLON	.206-.212	PLENUM	CXDS-24
CXC-TNC-59-J	2	TNC JACK	62	TEFLON	.222-.242	PLENUM	CXDS-134

TYPE CXM

TNC MECHANICAL (SCREW ON) STYLE

Burndy offers a complete line of TNC type coaxial connectors. The TNC design is a threaded type connection providing a far more secure connection than the more commonly used bayonet fitting and is recommended in areas of high vibration or inaccessible locations.

The Burndy mechanical style connector for coaxial cable is completely assembled in 40 seconds or less. The 20/20 connector requires only 20 seconds or less to assemble the connector on the conductor. The connector's design has a factory installed "self-energizing" center contact plus the threads grip the conductor, ground the braid and provide strain relief for the conductor. The pull-out value is rated at 40 pounds; the same as military specifications require for similarly sized connectors. Product features include: one-piece unit—no contact soldering—no contact crimping—no tools required. Reusable. These features help eliminate costly down time in the field, lower total installed costs, and increase wiring system flexibility.

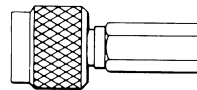


Fig. 1

Straight TNC Plug

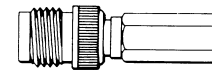


Fig. 2

Straight TNC Jack

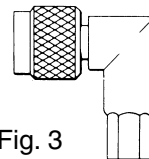


Fig. 3

Right Angle TNC Plug (90°)

CATALOG NUMBER	FIGURE NUMBER	DESCRIPTION	RG/u CABLE	JACKET MATERIAL	CABLE O.D. (JACKET)	SPECIAL USE
CXM-TNC58-P	1	TNC PLUG	58	PVC	.195	
CXM-TNC59-P	1	TNC PLUG	59,62	PVC	.242	
CXM-TNC59-PT	1	TNC PLUG	59	TEFLON	.206-.212	PLENUM
CXM-TNC59-P	1	TNC PLUG	62	TEFLON	.222-.242	PLENUM
CXM-TNC58-J	2	TNC JACK	58	PVC	.195	
CXM-TNC59-J	2	TNC JACK	59,62	PVC	.242	
CXM-TNC59-JT	2	TNC JACK	59	TEFLON	.206-.212	PLENUM
CXM-TNC59-J	2	TNC JACK	62	TEFLON	.222-.242	PLENUM
CXM-TNC58-P-90	3	TNC PLUG-90	58	PVC	.195	
CXM-TNC-59-P-90	3	TNC PLUG-90	59,62	PVC	.242	
CXM-TNC59-PT-90	3	TNC PLUG-90	59	TEFLON	.206-.212	PLENUM
CXM-TNC59-P-90	3	TNC PLUG-90	62	TEFLON	.222-.242	PLENUM

* RG58/u, RG59, 62 and 62A/u cable with solid conductor only.

† No installation tools or soldering required.



TYPE CX

BNC ADAPTERS

Burndy's adapters for BNC connectors are used for splicing applications. The in-line splice can be utilized either free-hanging or panel mounted through the wall of a bulkhead or a control panel. For panel applications we provide two designs: the first (Fig. 2) provides a standard BNC connection on both sides of the panel adapter, while the second (Fig. 3) provides a BNC on the outside of the panel and a solder connection on the inside.

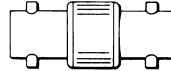


Fig. 1

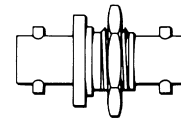


Fig. 2

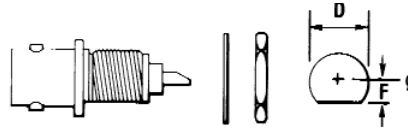


Fig. 3

CATALOG NUMBER	FIG.	DESCRIPTION	PANEL HOLE DIA.	PANEL MOUNTING DATA		USE*	RG/u CABLE
				D DIA.	F FLAT		
CX-BNC-F/F	1	BNC Jack to BNC Jack Straight Adapter	9/16"			SPLICING PATCH PANELS CONTROL PANELS	58, 59, 62
CX-BNC-F/F-BHJ	2	BNC Jack to BNC Jack Bulkhead Adapter					
CX-BNC-S/F-BHSJ	3	BNC Jack to Solder Jack Bulkhead Adapter		.382	.157		

* Provides ease and flexibility of connector match-up.

TYPE CX

TNC ADAPTERS

K-6

Burndy's TNC adapters for splicing applications are typically used in high volume areas, inaccessible locations, or to meet specifications, such as those generated by equipment manufacturers.

The TNC adapters are available in two designs: The first design is a straight splice for connecting two (2) TNC connectors to splice free hanging cables. The second design connects through a bulkhead such as a control panel or a patch panel. This design provides a TNC jack on both sides of the bulkhead for fast, easy-mating or disconnecting on either side of the panel. These connectors may also be used in high vibration or inaccessible areas. No soldering or crimping is required to install them, reducing installation time and lowering installed costs.



Fig. 1

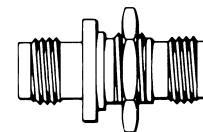


Fig. 2

CATALOG NUMBER	FIGURE NUMBER	DESCRIPTION	RG/u CABLE	PANEL HOLE DIAMETER	SPECIAL USE
CX-TNC-F/F	1	TNC Jack/TNC Jack Straight Adapter	58, 59, 62		Splicing Applications
CX-TNC-F/F-BHJ	2	TNC Jack/TNC Jack Bulkhead Adapter	58, 59, 62	9/16"	Patch Panel, Control Panels



TYPE TXC

TWIN AXIAL CONNECTORS

Burndy offers twin axial connectors that are designed for installing IBM Systems 34 and 38. These connectors are designed for IBM host-compatible network communications where balanced circuits and minimum crosstalk are necessary in connecting work stations. The twin axial connectors have an impedance value of 100 ohms and can be used on 100 ohm twin axial cables. The crimp design connector provides maximum operating performance at the lowest installation cost available. Using Burndy's standard crimping tools, the connector is assembled in a fraction of the time normally required for a solder-type connection. Compression crimping provides excellent electrical integrity and cable assembly simplicity.

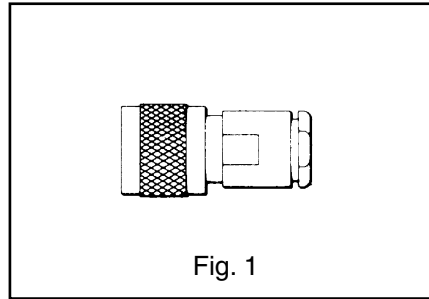


Fig. 1

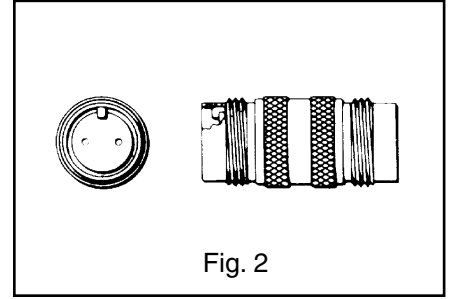


Fig. 2

FEATURES

- Compression design
- Polarized
- Tarnish resistant finish
- Solder design available to meet specification requirements

BENEFITS

- Much faster than soldering
- Much safer than soldering
- Much easier than soldering
- Lower installation costs

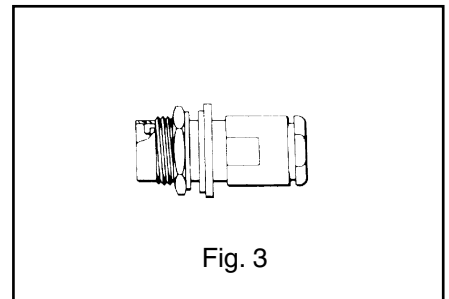


Fig. 3

Installation tooling for coaxial connectors in Tooling Section N.

Cat. No.	Style	FIG.	DESCRIPTION	TOOLING
TXC-P	Crimp	1	(100) OHM Plug (Male) (IBM 7362229)	YCXMT-134 Y10MR with CXDS-134 Die Set
TXC-F/F-BHJ	Crimp	3	(100) OHM Panel Adapter With Cable Support	
TXS-P	Solder	1	(100) OHM Plug (Male) (IBM 7362229)	—
TX-F/F	Adapter	2	(100) OHM Straight Splice (IBM 7362230)	—